

DOCUMENT RESUME

ED 372 915

SE 054 069

AUTHOR Schwartz, Judah L., Ed.; And Others
TITLE The Geometric Supposer: What Is It a Case of?
REPORT NO ISBN-0-8058-0720-9
PUB DATE 93
NOTE 266p.
AVAILABLE FROM Lawrence Erlbaum Associates, Inc., Publishers, 365
Broadway, Hillsdale, NJ 07642 (\$49.95)
PUB TYPE Books (010) -- Collected Works - General (020)

EDRS PRICE Document Not Available from EDRS.
DESCRIPTORS *Cognitive Development; *Computer Assisted
Instruction; Courseware; Diagrams; Elementary
Secondary Education; *Generalization; *Geometry;
Learning Processes; *Mathematics Instruction;
Metacognition; Teaching Methods; Visualization
IDENTIFIERS *Computer Integrated Instruction; Conjectures
(Mathematics); *Geometric Supposer; Problem Posing

ABSTRACT

This volume attempts to bring together a collection of reports on the Geometric Supposer, a series of computer software environments which can be a tool for exploring particulars and generalizations in geometry. The book contains the following chapters: (1) "A Personal View of the Supposer: Reflections on Particularities and Generalities in Educational Reform" (Judah L. Schwartz); (2) "The Geometric Supposer in the Classroom" (Beth Wilson); (3) "Overcoming Visual Obstacles with the Aid of the Supposer" (Michal Yerushalmy and Daniel Chazan); (4) "Generalization in Geometry" (Michal Yerushalmy); (5) "Discovery Courses Are Great in Theory, But..." (Christopher C. Heady); (6) "Instructional Implications of Students' Understandings of the Differences between Empirical Verification and Mathematical Proof" (Daniel Chazan); (7) "Posing Problems: One Aspect of Bringing Inquiry into Classrooms" (Michal Yerushalmy, Daniel Chazan, and Myles Gordon); (8) "Teachers' Thinking about Students' Thinking about Geometry: The Effects of New Teaching Tools" (Magdalene Lampert); (9) "How the Supposer Changed My Life: An Autobiography" (Richard Houde); (10) "From Recitation to Construction: Teachers Change with New Technologies" (Martha Stone Wiske and Richard Houde); (11) "Geometric Supposer Urban Network" (Grace Kelemanik and Mark Driscoll); and (12) "What Is the Supposer a Case Of?" (Myles Gordon). An appendix contains a guide to the Geometric Supposer. (MKR)

* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
